

II. About PRICOM

Section 1: PRICOM C-700

PRICOM C-700 is a 10BASE-T print server developed exclusively for Canon Bubble Jet Printers. PRICOM C-700 is compatible with status monitor of Canon printer driver. You can check the printer status , which is connected to the network at real time on the screen of your computer.

Operating Requirements

System requirements for the network connection

- Network cable
- Ethernet HUB
- Printer

Network Environment

Windows 95/98/Me, Windows NT 4.0, Windows 2000, Windows XP

Operating environment

- Temperature : 10°C to 35°C
- Humidity : 20% to 80% RH (no condensation allowed)

Storage environment

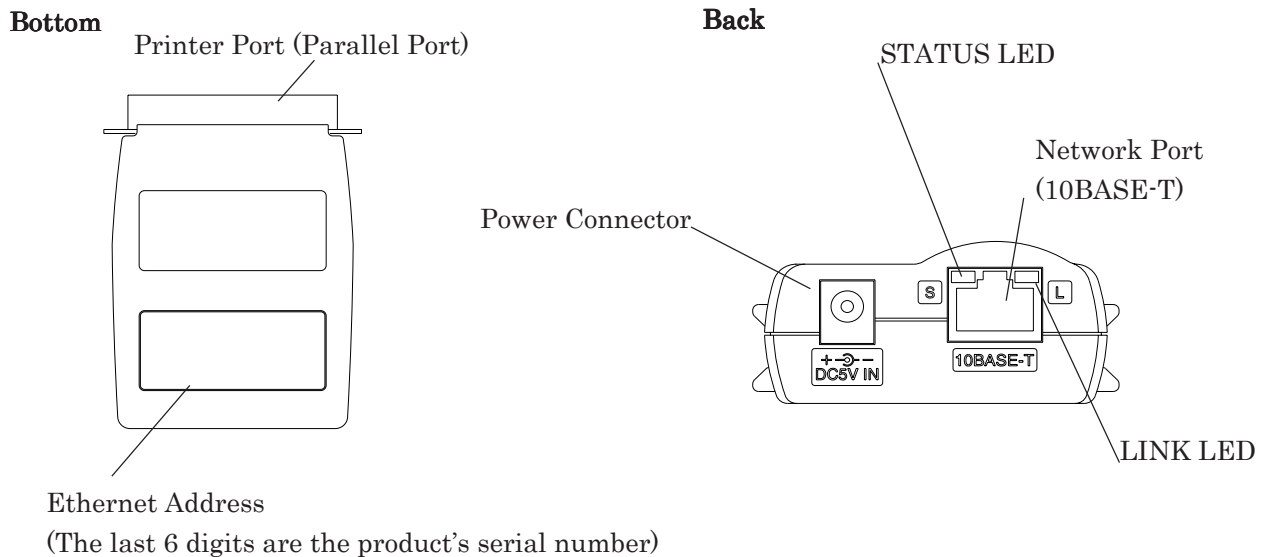
- Temperature : -10°C to 50°C
- Humidity : 20% to 90% RH (no condensation allowed)

EMI

VCCI Class A
FCC Class A
EN55022 Class A
EN55024

Parts on PRICOM C-700

Parts and Function



(Bottom)

-Printer Port (Parallel Port)

Connect to the parallel interface port of the printer.

For the location of the parallel interface port of the printer, please refer to the printer's manual.

-Ethernet Address

The Ethernet Address of the device. The last 6 digits are the product's serial number.



Ethernet Address 00:80:92:18:0E: 1A is noted as 008092180E1A.

The product's number (serial number) is 180E1A.

(Back)

-Network Port (10BASE-T)

Connects to the network cable (twisted pair cable).

-LINK LED (Green)

Lights, when a proper 10BASE-T network connection is established.

-STATUS LED (Orange)

Flashes during data transfer.

-Power Connector

Connects to the AC adapter.

Hardware Installation

Connect PRICOM C-700 to the Printer

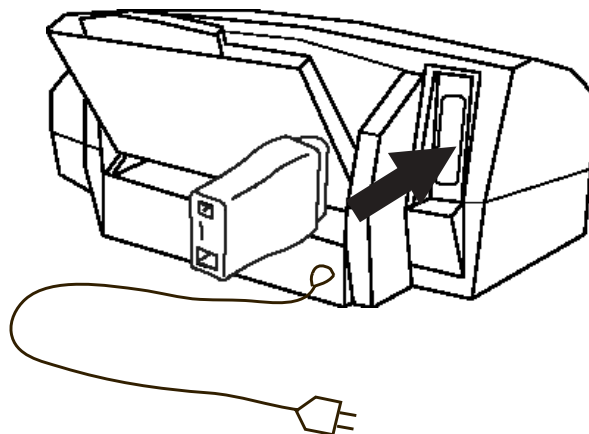


TIP

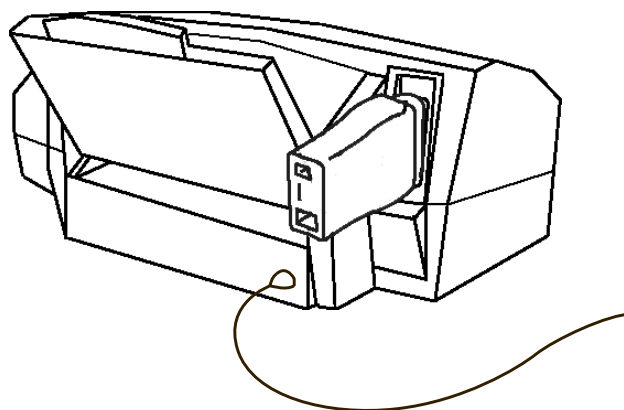
- Before connecting PRICOM C-700 to the printer, make sure that the power cord of the printer is unplugged.
- If you have already used PRICOM C-700 in another network, make sure to initialize PRICOM C-700 to factory default. You can initialize PRICOM C-700 from PRICOM User Software CX. For further information, refer to chapter “III. Using PRICOM in a Windows Environment” of this on-line manual.

1. Make sure that the printer is switched off and the power cord is unplugged. Attach the PRICOM C-700 to the parallel interface port of the printer.

Make sure that the AC adapter is not connected to PRICOM C-700 at this time.

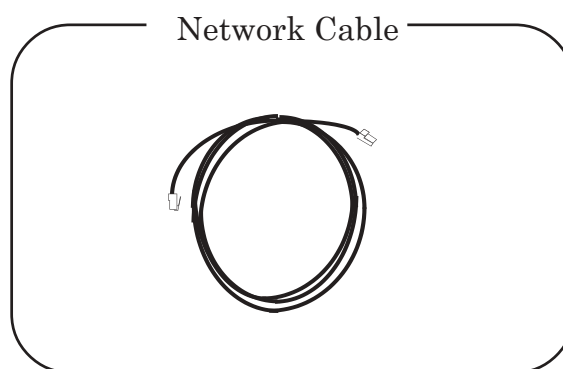
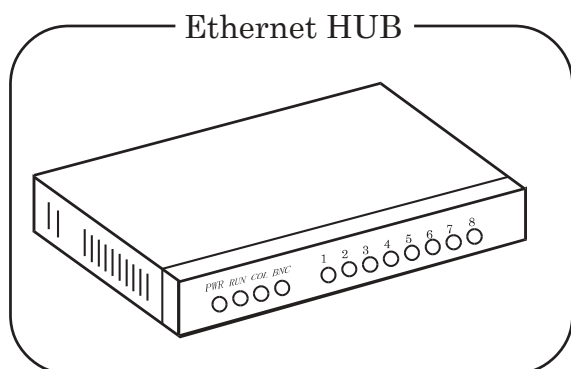


2. After PRICOM C-700 and the printer have been connected, make sure that the printer is still switched off. Then plug the power cord of the printer into a power socket.

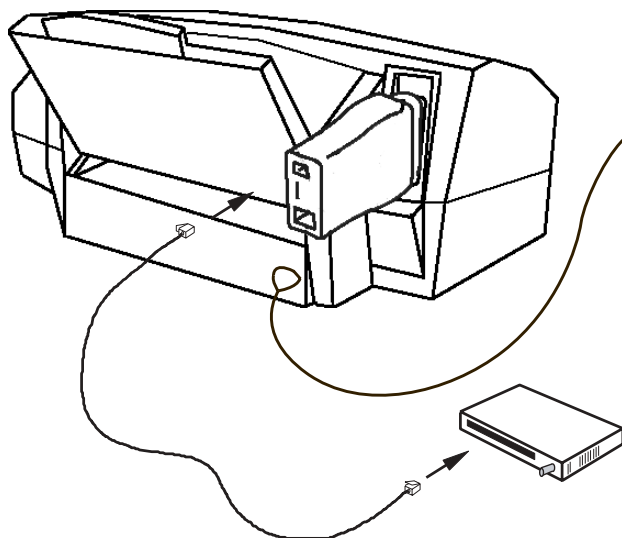


Connection to the Network

Prepare the following items.



1. Make sure that the AC adapter is not connected to PRICOM C-700 and switch off the printer.
2. Connect the network cable (twisted pair cable) to the network port of PRICOM C-700.
3. Connect the other end of the network cable to the Ethernet HUB.
4. Connect the AC adapter to PRICOM C-700 and switch on the printer and check for the proper printer functions.



TIP

Using an AC adapter other than the one supplied may cause damage.

Specification

The main points of functionality are as follows.

Functional Specification

Automatic IP address configuration with DHCP, BOOTP, RARP

DHCP/BOOTP

PRICOM C-700 supports the DHCP/BOOTP protocol. The IP address can be set within the network where the DHCP/BOOTP server is operating.



TIP

- PRICOM C-700 supports DHCP protocols that are in accordance with RFC2131/2132.
- Windows NT 4.0, Windows 2000 and DHCP servers of Windows .NET Server are supported.
- To use the DHCP function, please contact your network administrator.

RARP

The PRICOM C-700 supports RARP protocol. The IP address can be set within the network where the RARP server is operating.



TIP

- Please consult your network administrator when using the RARP function of PRICOM C-700.

Web Browser

The PRICOM C-700 is equipped with HTTP server that allows you to monitor the printer status or change the configuration of PRICOM C-700 using a web browser. If the network is connected to the internet, product support information can be obtained.



TIP

- It is recommended to use the following web browsers to use the HTTP function: Internet Explorer 3.0 (or higher) or Netscape Navigator 3.0 (or higher). If a different web browser is used, make sure it is compatible with HTTP 1.0 (RFC1945) and HTML 2.0 (RFC1866).
- Assign IP address to PRICOM C-700 and enable TCP/IP protocol to use HTTP function.
- During the initial configuration, the PRICOM C-700 can not be accessed via web browser as an IP address has not yet been assigned.

Hardware Specification

-CPU

32bit RISC CPU

-Memory

RAM : 512KByte

FlashROM : 512KByte

-Network Interface

10BASE-T 1 port

-Printer Interface

Centronics (36 pin Amphenole)

IEEE1284 parallel port (bidirectional)

-Others

LED Lamp: 2 LEDs, one for Status (Orange), one for 10BASE-T Link(Green)

Software Specification

Supported Protocol

TCP/IP, IPX Peer to Peer

TCP/IP

Network Layer : ARP, RARP, ICMP, IP

Session Layer : TCP, UDP

Application Layer : LPR, TELNET, BOOTP, SNMP, HTTP, DHCP, #9100

IP Address can be set with Setup Utility.

Supports silex technology, Inc. original setup protocol .

IPX Peer to Peer

Supports silex technology, Inc. original protocol .

Section 2: PRICOM C-5100

PRICOM C-5100 is a 10BASE-T/100BASE-TX print server developed exclusively for Canon Bubble Jet Printers. PRICOM C-5100 is compatible with status monitor of Canon printer driver. You can check the printer status, which is connected to the network at real time on the screen of your computer.

Operation Requirements

System requirements for the network connection

- Network cable(Category 5 in 100BASE-TX environment)
- Ethernet HUB(HUB)
- Printer

Network Environment

Windows 95/98/Me, Windows NT 4.0, Windows 2000, Windows XP

Operating environment

- Temperature : 10°C to 35°C
- Humidity : 20% to 80% RH (no condensation allowed)

Storage environment

- Temperature : -10°C to 50°C
- Humidity : 20% to 90% RH (no condensation allowed)

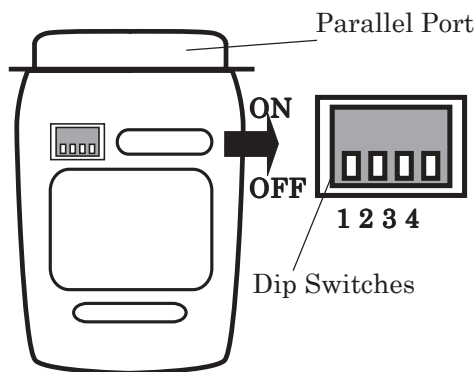
EMI

VCCI Class B
FCC Class B
EN55022 Class B
EN55024

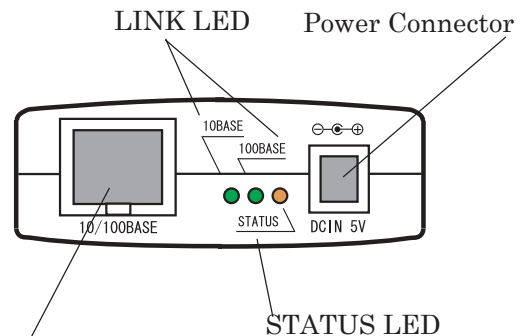
Parts on PRICOM C-5100

Parts and Function

Bottom



Back



(Bottom)

-Printer Port (Parallel Port)

Connect to parallel port of printer.

-Dip Switches (1-4)

The following list describes the function of each switch.

-Ethernet Address

The Ethernet Address of the device. The last 6 digits are the product's serial number.

1	OFF	Normal operating setting
2	ON	Initialization/Reset to factory default upon power up
	OFF	Normal operating setting
3	ON	Prints Diagnostic/Configuration report upon power up
	OFF	Normal operating setting
4	OFF	Normal operating setting

<Initialization/Reset to factory default>

1. Switch off the printer. Make sure that PRICOM C-5100 is not connected to the AC adapter, then switch on the dip switch No. 2.
2. Connect the AC adapter to PRICOM C-5100 and switch on the printer.
3. Unplug the AC adapter of PRICOM C-5100 and switch off the dip switch No. 2.

<Diagnostic/Configuration report>

1. Switch off the printer. Make sure that PRICOM C-5100 is not connected to the AC adapter, and then switch on the dip switch No.3.
2. Connect the AC adapter to PRICOM C-5100. Switch on the printer and the diagnostic report will start.



- Do not turn off the power supply until the LINK LED lights during initialization of PRICOM C-5100.
- Do not turn off the power supply until the diagnostic report is completed during diagnostic report of PRICOM C-5100.
- When normal operating setting, make sure that all dip switches are off.
- You can initialize PRICOM C-5100 from PRICOM User Software CX. For further information, refer to chapter “III. Using PRICOM in a Windows Environment” of this on-line manual.
- Diagnostic/Configuration report is not available with Canon Bubble Jet Printer. Do not use the dip switch function.

(Back)

-Network Port (10BASE-T/100BASE-TX)

Connects to the network cable.

-10BASE LINK LED(Green)

Lights when a proper 10BASE-T network connection is established.

-100BASE-TX LINK LED(Green)

Lights when a proper 100BASE-TX network connection is established.

-STATUS LED(Orange)

Lights while the power is supplied. Flashes during data transfer.

-Power Connector

Connects to the AC adapter.

Hardware Installation

Connect PRICOM C-5100 to the Printer

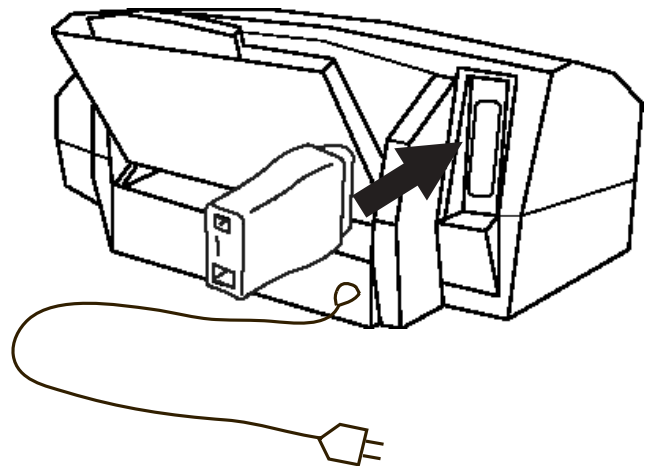


TIP

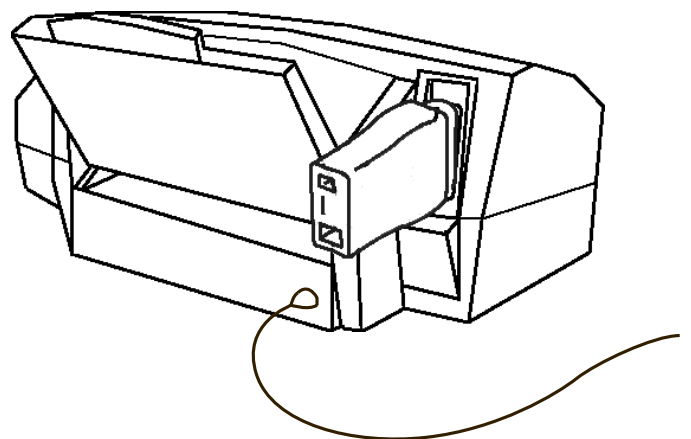
- Before connecting PRICOM C-5100 to the printer, make sure that the power cord of the printer is unplugged.
- If you have already used PRICOM C-5100 in another network, make sure to initialize PRICOM C-5100 to factory default. You can initialize PRICOM C-5100 from PRICOM User Software CX. For further information, refer to chapter “III. Using PRICOM in a Windows Environment” of this on-line manual.

1. Make sure that the printer is switched off and unplug the power cord of the printer. Attach PRICOM C-5100 to the parallel interface port of the printer.

Make sure that the AC adapter is not connected to PRICOM C-5100 at this time.



2. After PRICOM C-5100 and the printer have been connected, make sure that the printer is still switched off. Then plug the power cord of the printer into a power socket.



Connection to the Network

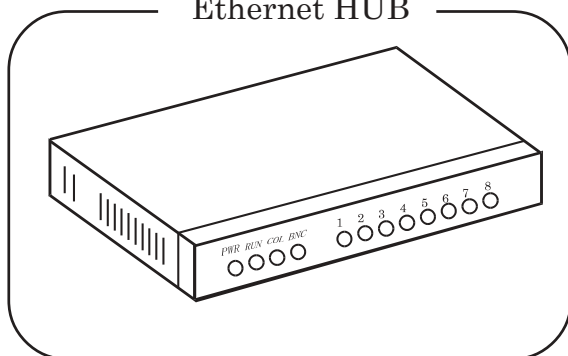
The following items are needed to connect PRICOM C-5100 to the network.



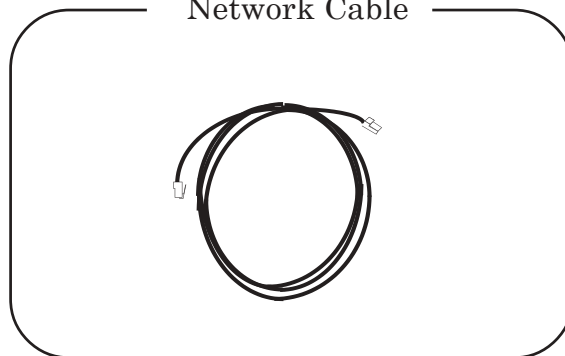
When using PRICOM in a 100 BASE-TX environment, make sure to use a 100BASE-TX compatible HUB and twisted pair cable (Category 5 or above).

Prepare the following items.

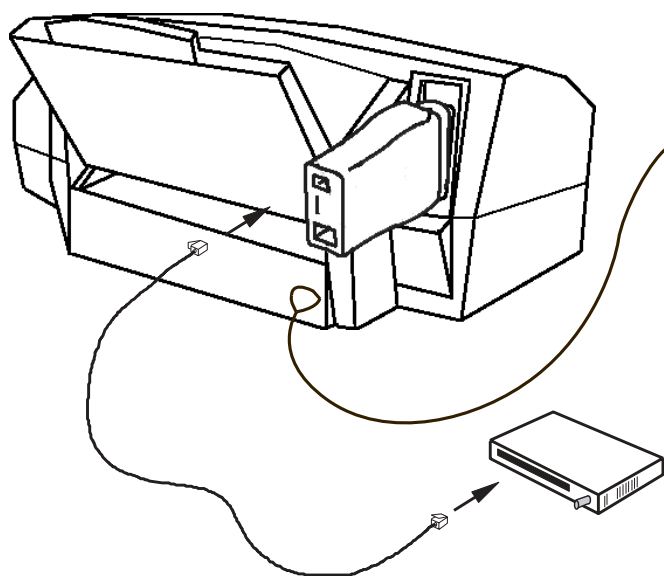
Ethernet HUB



Network Cable



1. Make sure that the AC adapter is not connected to PRICOM C-5100, and switch off the printer.
2. Connect the network cable to the network port of PRICOM C-5100.
3. Connect the other end of the network cable to the Ethernet HUB.
4. Connect the AC adapter to PRICOM C-5100, then switch on the printer and check for proper printer functions.



Using an AC adapter other than the one supplied may cause damage.

Specification

The main points of functionality are as follows.

Functional Specification

Automatic IP address configuration with DHCP, BOOTP, RARP

DHCP/BOOTP

PRICOM C-5100 supports the DHCP/BOOTP protocol. The IP address can be set within the network where the DHCP/BOOTP server is operating.



TIP

- PRICOM C-5100 supports RARP protocols that are in accordance with RFC2131/2132.
- To use the DHCP function, please contact your network administrator.

RARP

The PRICOM C-5100 supports RARP protocol. The IP address can be set within the network where the RARP server is operating.



TIP

- Please consult your network administrator when using the RARP function of PRICOM C-5100.

IPP (TCP/IP)

PRICOM C-5100 supports the Internet Printing Protocol (IPP Version 1.0), that allows you to print documents directly to any accessible printer via the Internet.



TIP

- A global IP Address should be assigned to the PRICOM C-5100 when printing at remote area using PRICOM C-5100s IPP function. For detail, please consult your network administrator.

Web Browser

The PRICOM C-5100 is equipped with HTTP server that allows you to monitor the printer status or change the configuration of PRICOM C-5100 using a web browser. If the network is connected to the internet, product support information can be obtained.



TIP

- It is recommended to use the following web browsers to use the HTTP function: Internet Explorer 3.0 (or higher) or Netscape Navigator 3.0 (or higher). If a different web browser is used, make sure it is compatible with HTTP 1.0 (RFC1945) and HTML 2.0 (RFC1866).



NOTE

- Assign IP address to PRICOM C-5100 and enable TCP/IP protocol to use HTTP function.
- During the initial configuration, the PRICOM C-5100 can not be accessed via web browser as an IP address has not yet been assigned.

The PRICOM C-5100 supports Hewlett Packard's print server Jet Direct function.
silex technology, Inc. original status monitor can be used with PjL compatible printers.

Hardware Specification

-CPU

32bit RISC CPU

-Memory

RAM : 2MByte

FLASHROM : 1MByte

-Network Interface

10BASE-T/100BASE-TX 1 port (automatic detection)

-Printer Interface

Centronics (36 pin Amphenole)

IEEE1284 parallel port (bidirectional)

-Others

DIP Switch : 4 bit

LED Lamp : 3 LEDs, one for Status (Orange), one for 10BASE Link (Green), one for 100BASE Link (Green).

Software Specification

Supported Protocol

TCP/IP, IPX Peer to Peer

TCP/IP

Network Layer : ARP, RARP, ICMP, IP

Session Layer : TCP, UDP

Application Layer : LPR, FTP, TELNET, BOOTP, SNMP, HTTP, DHCP,
IPP, #9100

IP Address can be set with Setup Utility.

silex technology, Inc. original setup protocol compatible.

IPX Peer to Peer

silex technology, Inc. original protocol compatible.

Section 3: PRICOM C-6200U

PRICOM C-6200U is a mini print server that supports 10BASE-T/100BASE-TX and has a USB connection. This server supports the Canon Bubble Jet Printer Series, printers equipped with CAPT, and multifunction printer. The print job process and printer status can be checked visually through the status monitor of the Canon printer driver. In addition to the print function, the scanner function and the card reader function of multifunction printer can be shared over the network.

Operating Environment

System requirements for the network connection

- Network cable (Category 5 in 100BASE-TX environment)
- USB Cable
- Ethernet HUB
- Printer or Canon Multifunction MP Series

Network Environment

Windows 95/98/Me, Windows NT 4.0, Windows 2000, Windows XP

Operating environment

- Temperature : 5°C to 35°C
- Humidity : 20% to 80% RH (no condensation allowed)

Storage environment

- Temperature : -10°C to 50°C
- Humidity : 20% to 90% RH (no condensation allowed)

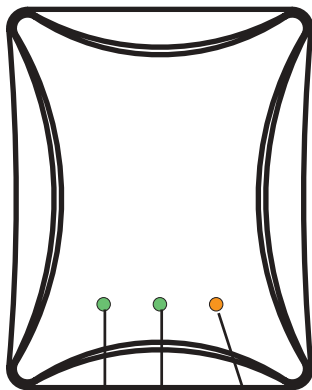
EMI

VCCI Class B
FCC Class B
EN55022 Class B
EN55024

Parts on PRICOM C-6200U

Parts and Function

Top

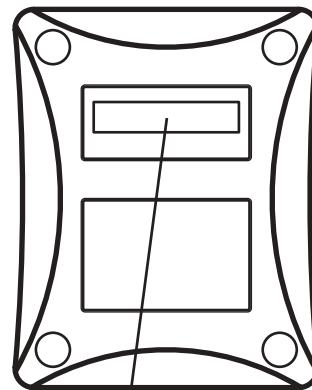


10BASE LINK LED
(Green)

100BASE LINK LED
(Green)

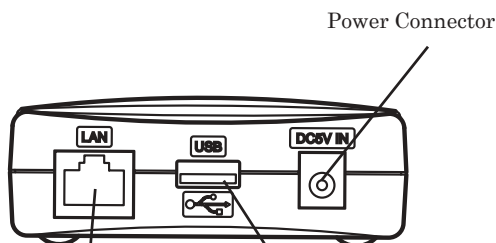
STATUS LED (Orange)

Bottom



Ethernet Address
(The last 6 digits are the product's serial number)

Back

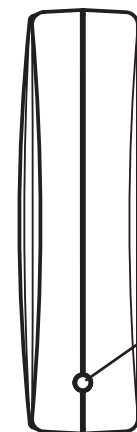


Network Port
(10BASE-T/100BASE-TX)

USB Port

Power Connector

Right Side



Push Switch

(Top)

You can check the LED on the board.

-10BASE LINK LED(Green)

Lights when a proper 10BASE-T network connection is established.

-100BASE-TX LINK LED(Green)

Lights when a proper 100BASE-TX network connection is established.

-STATUS LED(Orange)

Flashes during data transfer.

(Bottom)

-Ethernet Address

The Ethernet Address of the device. The last 6 digits are the product's serial number.



NOTE

-Ethernet Address 00:80:92:18:0E: 1A is noted as 008092180E1A.

-The product's number (serial number) is 180E1A.

(Back)

-Network Port (10BASE-T/100BASE-TX)

Connect to the network cable. In 100BASE-TX environment, use category 5.

-USB Port

Connect to the USB cable.

-Power Connector

Connect to the AC adapter.

(Right Side)

-Push Switch

By pushing this switch, you can initialize PRICOM C-6200U to factory default and print Diagnostic/Configuration report.

<Factory Default>

1. Make sure that the AC adapter is not connected to PRICOM C-6200U.
2. While pushing the push switch, connect the AC adapter to PRICOM C-6200U. The STATUS LED will blink once when the connection is made.
3. Continue to push the push switch for two seconds. The STATUS LED will blink again when factory default is successfully completed. Remove your hand from the push switch.

<Diagnostic/Configuration report>

While PRICOM C-6200U is in use, push on the push switch for more than 5 seconds. The test print will be executed. This is available only with printers with fonts.



TIP

-Do not turn off the power to PRICOM C-6200U while it is initializing to factory default.

-When PRICOM C-6200U is turned on again after factory default is completed or the Diagnostic/Configuration report is executed, do not push on the push switch.

-Factory default can be executed from the PRICOM User Software CX. For further information, refer to Chapter "III. Using PRICOM in a Windows Environment" of this on-line manual.

-Diagnostic/Configuration report is not available with Canon Bubble Jet Printer. Do not use the push switch function.

Hardware Installation

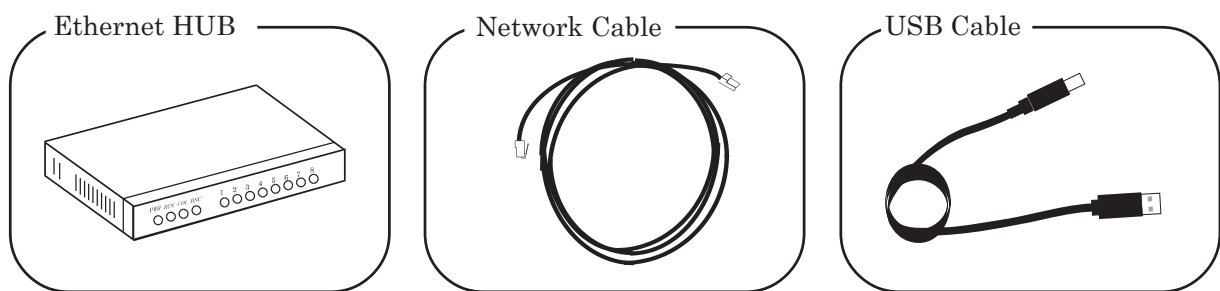
Connection to the Network



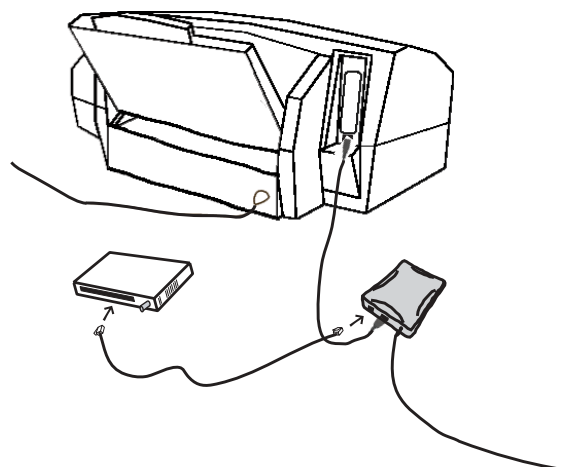
TIP

- If you have already used PRICOM C-6200U on another network, initialize PRICOM C-6200U to factory default. You can initialize PRICOM C-6200U from PRICOM User Software CX. For further information, refer to Chapter 3 of this on-line manual.
- PRICOM C-6200U can not be used with USB HUB.
- If you are using PRICOM C-6200U in a 100BASE-TX environment, prepare 100BASE Ethernet HUB and network cable (Category 5).

To connect PRICOM C-6200U to the network, printer or complex machine, follow the steps below.



1. Connect PRICOM C-6200U and the Ethernet hub between the network cable.
2. Connect the AC adapter to PRICOM C-6200U and plug the power of the printer or complex machine cord in the outlet.



3. Connect the USB cable type “A” to PRICOM C-6200U and the USB cable type “B” to the printer or complex machine.



-The shape of connector of the USB cable type “A” and that of type “B” are different from each other. Check it with care.

<USB Cable Connector>



Type A



TypeB

4. Turn on the printer or multifunction printer, and check that it works correctly.



-Using AC adapter other than the one supplied may cause problem.

-Do not connect any devices other than the printer, scanner or complex machine to the USB port of PRICOM C-6200U through the USB cable.

-Give more than 2-second intervals for connecting and disconnecting the USB port.

-Do not disconnect the USB cable while printing, scanning, reading, or writing in the memory card.

Specification

The main points of functionality are as follows:

Functional Specification

Automatic IP address configuration with DHCP, BOOTP, RARP

DHCP/BOOTP

PRICOM C-6200U supports the DHCP/BOOTP protocol. The IP address can be set within the network where the DHCP/BOOTP server is operating.



TIP

- PRICOM C-6200U supports DHCP protocols that are in accordance with RFC2131/2132. Windows NT 4.0 and DHCP servers of Windows 2000 are supported.
- To use the DHCP function, please contact your network administrator.

RARP

The PRICOM C-6200U supports RARP protocol. The IP address can be set within the network where the RARP server is operating.



TIP

- Please consult your network administrator when using the RARP function of PRICOM C-6200U.

IPP (TCP/IP)

PRICOM C-6200U supports the Internet Printing Protocol (IPP Version 1.0), that allows you to print documents directly to any accessible printer via the Internet.



TIP

- A global IP Address should be assigned to the PRICOM C-6200U when printing at remote area using PRICOM C-6200U's IPP function. For detail, please consult your network administrator.

Web Browser

The PRICOM C-6200U is equipped with HTTP server that allows you to monitor the printer status or change the configuration of PRICOM C-6200U using a web browser. If the network is connected to the internet, product support information can be obtained.



TIP

- It is recommended to use the following web browsers to use the HTTP function: Internet Explorer 3.0 (or higher) or Netscape Navigator 3.0 (or higher). If a different web browser is used, make sure it is compatible with HTTP 1.0 (RFC1945) and HTML 2.0 (RFC1866).
- Assign IP address to PRICOM C-6200U and enable TCP/IP protocol to use HTTP function.
- During the initial configuration, the PRICOM C-6200U can not be accessed via web browser as an IP address has not yet been assigned.

Scanner Server function

If PRICOM C-6200U is used with a multifunction printer, the scanner function of the multifunction printer can be shared over the network by using PRICOM USB utility bundled with the product.



TIP

- The scanner server function is supported only in Windows2000/WindowsXP.
- The PRICOM C-6200U can physically connect to one multifunction printer.

Storage Server function

The card reader function of multifunction printer can be shared over the network using the NetBEUI/NetBIOS protocol and the PRICOM C-6200U.



TIP

- Printing using NetBEUI/NetBIOS protocol is not supported.
- The PRICOM C-6200U can physically connect to only one multifunction printer.

Hardware Specification

-CPU

32bit RISC CPU

-Memory

RAM : 8MByte

FlashROM : 1MByte

-Network Interface

10BASE-T/100BASE-TX 1 port (automatic detection)

-USB Interface

A Port

-Others

Push Switch : 1 button

LED Lamp : 3 LEDs, one for Status (Orange), one for 10BASE Link (Green), one for 100BASE Link (Green).

Software Specification

Supported Protocol

TCP/IP, IPX Peer to Peer, NetBEUI

TCP/IP

Network Layer : ARP, RARP, ICMP, IP

Session Layer : TCP, UDP

Presentation Layer : WINS

Application Layer : LPR, FTP, TELNET, BOOTP, SNMP, HTTP, DHCP,
IPP, #9100, NetBIOS over TCP

IP Address can be set with Setup Utility.

Supports silex technology, Inc. original setup protocol .

IPX Peer to Peer

Supports silex technology, Inc. original protocol .

NetBEUI

SMB, NetBIOS



-Windows embedded printing client functions; LPR/IPP/FTP are not supported when you connect PRICOM to CAPT compatible printers.

Please use PRICOM-Print CX in the CD-ROM attached to the product.